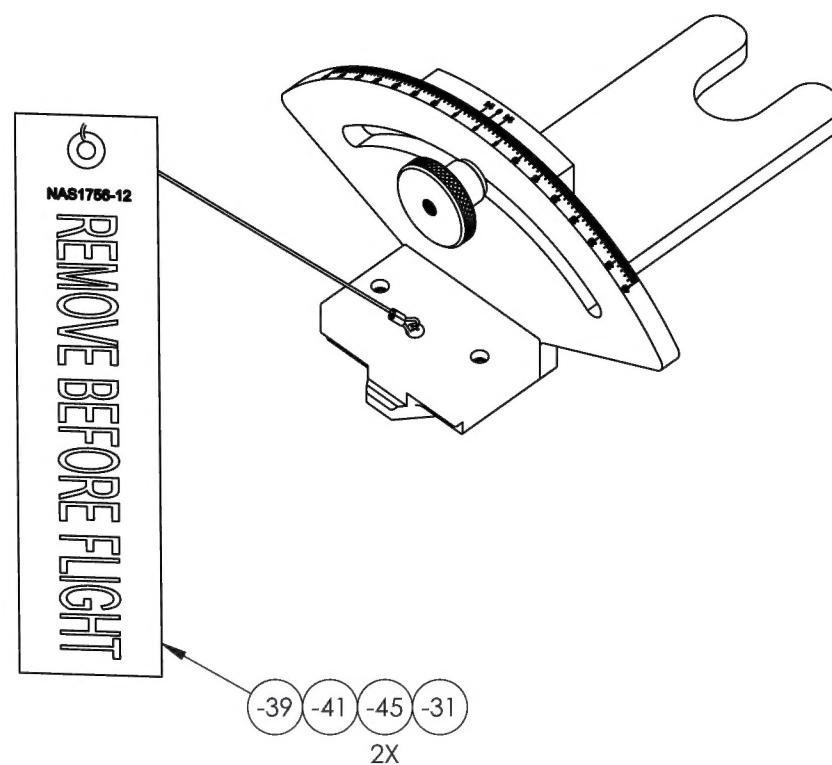
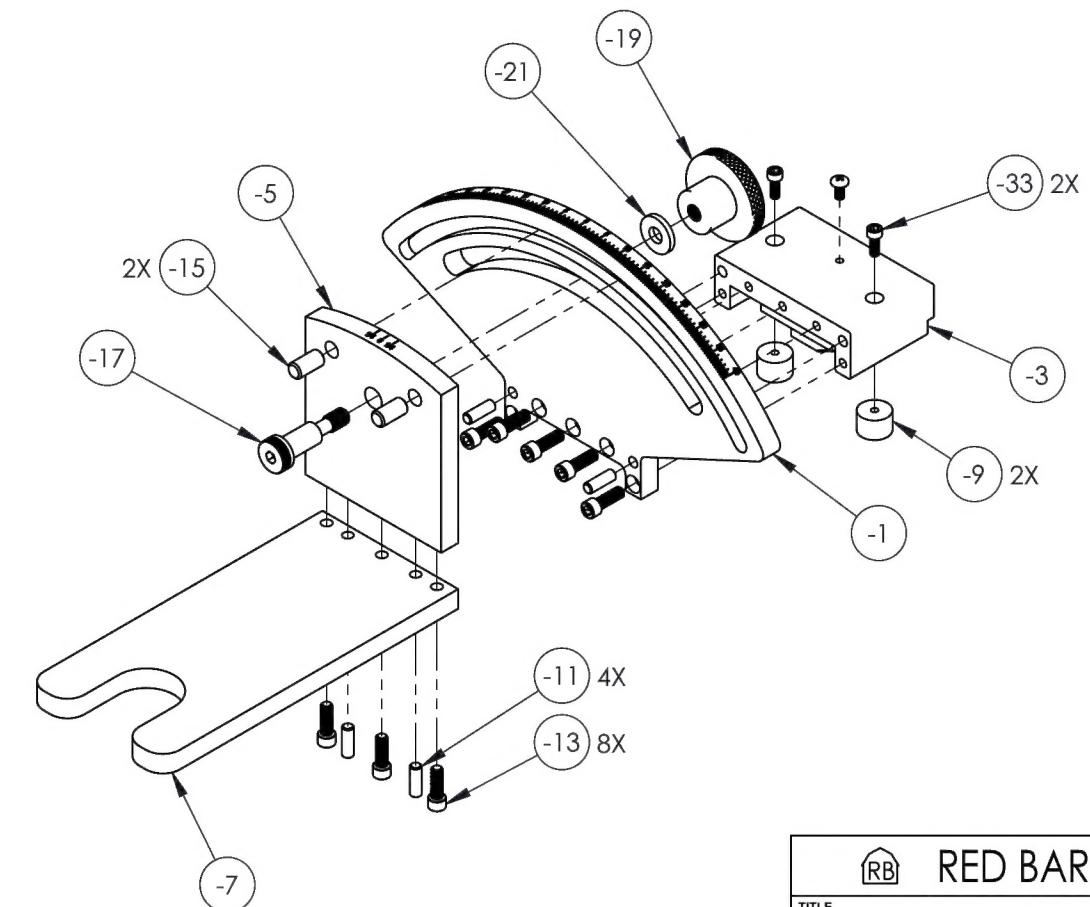


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REVISIONS			
REV	ECR	DESCRIPTION	DATE
1		CHANGED TO A SMALLER CASE, WAS PELICAN 1650, NOW PELICAN 1550. PER DAVE	6/18/2009
2		ALTERED -3 TO FIT PERNORTHROP; REPLACED REAR CHAMFER WITH STEP, CHANGED DIM 2.052 TO 2.040 AND DIM 2.142 TO 2.132. CREATED REAR RECESSED ARE FOR CLEARANCE PER NORTHR. CORRECTED -5 THREADED HOLE DEPTH FROM .265 TO .625 (TYP). ENLARGED EARS, WAS R.313 NOW R.375 AND ADDED P.F. .0005 MAX TOLERANCE TO STOP CRACKING. DELETED -27 SCREW DRIVER AND -29 LANYARD PER NORTHR. DELETED ORIGINAL PAGE 8, NOW ORIGINAL PAGE 9 IS PAGE 8 DELETED -17 SHOULDER BOLT MACHINING, NOW JUST A DIFFERENT BUY OUT NUMBER. CHANGED -21 WASHER FROM Ø1/2 S.S. TO 7/16 POLYURETHANE MACHINED TO Ø.498 I.D WITH DWG., ON Pg. 7, ALSO ADDED ENGRAVING NOTE. DELETED SCREW DRIVER CUT OUT FROM -25 BOTTOM FOAM.	8/4/2009
3		REMOVED REAR RECESSED AREA AND CREATED A 1.00 X .25 STEP FOR ADDED CLEARANCE. DELETED MACHINED ASSEMBLIES -2 & -4 AND THEIR ASSOCIATING PAGES 2 & 5.	8/19/2009
4		CHANGED -15 DOWEL PIN FROM 1 TO 3/4 LONG, SHT 2 ADDED .270 DP SLOT SHT 3 CORRECTED TYP. ENLARGED EARS, MOVED HOLES FOR P.F. PINS INTO BODY. SHT 5 REMOVED WASHER AND KNOB DWG., ADDED BOLT DWG. SHT 6 UPDATED DIMENSIONS SHT 7, ADDED THIS SHEET.	8/25/2011
5		-3. CHANGED C-BORE ØFROM .53 TO .73 BOM. CORRECTED B/O INFO FOR -1, -3, -5, & -7. -9 CHANGED FROM 5679K13 TO 5679K15. -17 IS MODIFIED.	9/6/2011
6		CH'D -33 FROM 3/4 TO 1/2 & P/N PER R.W. CH'D -1 ANGLE FROM 41° TO 40.25° & 82° TO 80.5°, CH'D Ø.2526-.2512 TO Ø.2505-.2500. CH'D Ø.196 THRU HOLE CALL-OUT FROM THIS SIDE C-BORE Ø.73 DEPTH .500. CH'D -5 Ø.499 HOLE TO Ø.4965-4960 & Ø.2526-.2512 TO Ø.2505-.2500, PER G.E. ADDED -43 CUOUT IN LID FOR TOOL CLEARANCE & ON BOTTOM OF FOAM FOR PIN CLEARANCE. ADDED GD&T PER S.E.	4/13/2012
6A		DELETED RB PLACARD FROM ASSEMBLY AND ADDED ENGRAVE NOTE ON SHEET ONE PER E.B.	5/23/2012
6B		-1 CORRECTED 12" TEXT TO 1/2"	11/25/2013
7	14-0157	-1 DELETED DIMS 115°, 104°, 80.5°, 5.060, BASIC .875, BASIC .940, ADDED DIMS 2X BASIC 1.815, 2X 65°, 1.775, CH'D DIMS WAS BASIC 1.775 IS 2X BASIC 1.775, WAS 52° IS 2X 52°, WAS 40.25° IS 2X 40.25°, WAS .56 IS 3X .56, WAS .315 IS 2X .32, WAS BASIC 3.550 IS 3.55, WAS .500 IS (.50), ADDED DETAIL A. -3 CH'D DIM WAS Ø.785 IS Ø.750. DELETED DIMS (.38.67°), (.250). ADDED DIMS 1.775, 3.550, 3X .875. CH'D DIMS WAS 1.071-1.074 IS 1.064, WAS 2X BASIC .312 IS 2X .312, WAS 5X .875 IS 2X BASIC .875, WAS 15X R.06 IS 12X R.06, WAS 2X BASIC 1.775 IS BASIC 1.775, WAS 2X BASIC 3.550 IS BASIC 3.550, WAS .47 IS 2X .47, ADDED SECTION B-B. -5 DELETED DIM 5.500. CH'D DIMS WAS .250 IS 3X .250, WAS BASIC .250 IS 2X BASIC .250, WAS .500 IS (.50), ADDED DETAILS C & D. -7 DELETED DIM .250. CH'D DIMS WAS 5X BASIC .250 IS 2X BASIC .250, WAS 6.942 IS 3X 6.942. -25 UPDATED DIMENSIONING STYLE. CH'D DIM WAS 6X R.75 IS 8X R.75. -43 CH'D MAT'L WAS EGGSHELL IS Y-20 BLACK. UPDATED DIMENSION STYLE. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	9/22/2014

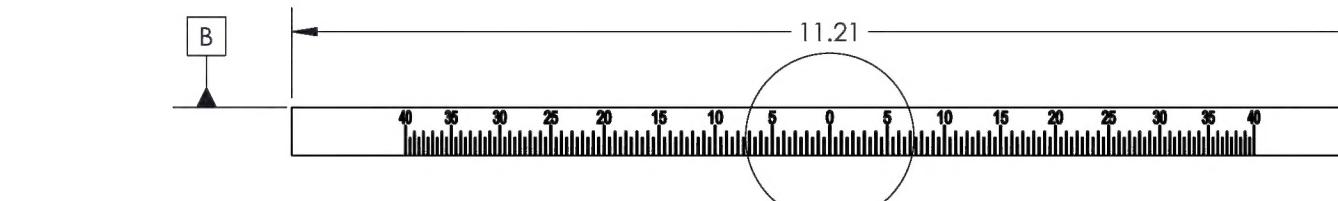


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	DEGREE PLATE	MIC 6	1/2 X 6-1/4 X 11-3/8	2
			-3	1	BLOCK BASE	6061	2-1/2 X 3 X 4-1/4	3
			-5	1	SWIVEL PLATE	MIC 6	1/2 X 4-1/4 X 5-1/8	4
			-7	1	EXTENSION PLATE	MIC 6	1/2 X 4-1/4 X 8-7/8	5
B/O		-9	2		MAGNETS W/ STEEL HOUSING	NEODYMIUM	Ø3/4 X 1/2; #10-32 UNF MCMASTER-CARR #5679K15	1
B/O		-11	4		DOWEL PIN	S.S.	Ø1/4 X 3/4 MCMASTER-CARR #90145A540	1
B/O		-13	8		SOCKET HEAD CAP SCREW	S.S.	1/4-20 X 3/4 MCMASTER-CARR #92196A540	1
B/O		-15	2		DOWEL PIN	S.S.	Ø3/8 X 3/4 MCMASTER-CARR #90145A622	1
		-17	1		SOCKET HEAD SHOULDER BOLT	S.S.	3/8-16 X Ø1/2 X 1-1/4 MCMASTER-CARR #90298A714 (MODIFIED)	6
B/O		-19	1		KNURLED KNOB	S.S.	3/8-16 UNC MCMASTER-CARR #60205K271	1
B/O		-21	1		FLAT WASHER	POLYURETHANE	Ø3/8 ID X Ø7/8 OD X 1/8 MCMASTER-CARR #94045K165	1
B/O		-23	1		PELICAN CASE	PLASTIC	APP-1550E	NS
B/O		-25	1		CASE BOTTOM FOAM	Y-20, BLACK	18.94 X 14.50 X 5.87 I.R. SPECIALTIES	7
B/O		-31	1		PHILLIPS PAN HEAD MACHINE SCREW	S.S.	#10-32 UNF X 3/8 MCMASTER-CARR #91772A827	1
B/O		-33	2		SOCKET HEAD CAP SCREW	S.S.	#10-32 X 1/2 MCMASTER-CARR #92196A269	1
B/O		-35	1		RED BARN PLACARD	ALUMINUM	R841009	NS
B/O		-39	1		REMOVE BEFORE FLIGHT	NYLON	NAS 1756-12	1
B/O		-41	1		LANYARD	COATED STEEL	Ø1/16 X 14 CARR LANE #CL2C	1
B/O		-43	1		CASE TOP FOAM	Y-20, BLACK	18.73 X 14.28 X 1.79 I.R. SPECIALTIES	8
B/O		-45	2		FERRULE	ALUMINUM	Ø1/16 X 3/8 MCMASTER-CARR #3896T31	1

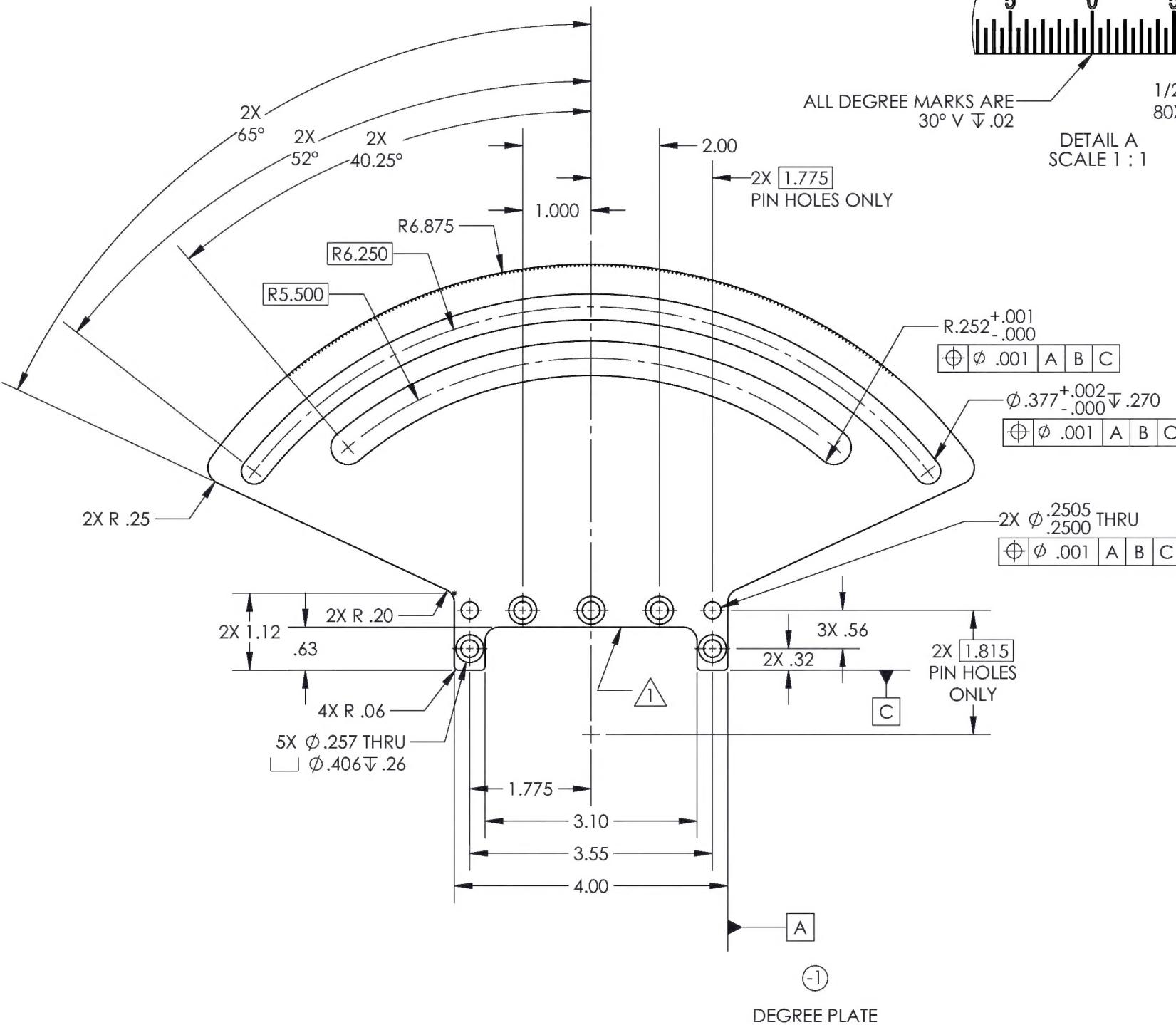


RB RED BARN MACHINE	
TITLE M/R BLADE PITCH GAUGE	
DWG NO. RBT18664 REV 7	
MATERIAL DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED APPROVED D. Weil	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± 5°	
.X ± .1 TREAT FINISH	
1. BREAK ALL SHARP EDGES .015 X 45° SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL	
FIRE SCOUT	
SCALE 1:4	DATE 5/21/2009
SHEET 1 OF 8	

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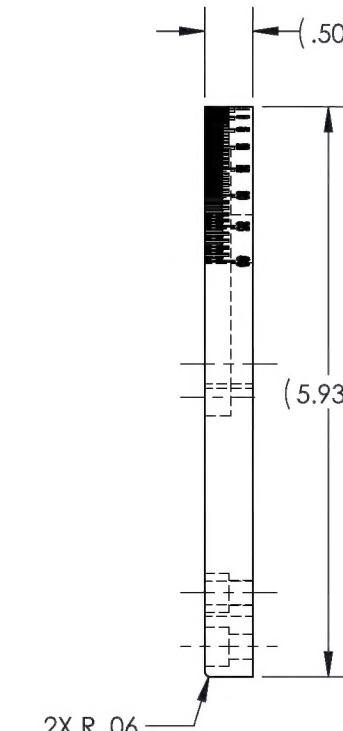
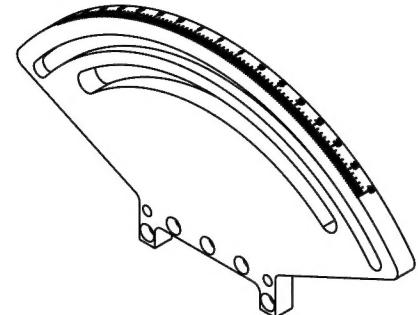
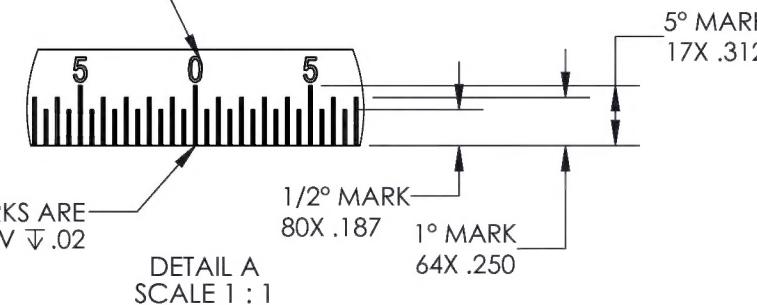


HIDDEN LINES REMOVED FOR CLARITY



REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		CHANGED R.250 TO R.251 FOR MANEUVERING CLEARANCE. ALSO ADDED ENGRAVING NOTE			
4		ADDED .270 DP SLOT	8/24/2011	JAG	
6		CH'D -1 ANGLE FROM .41° TO 40.25° & 82° TO 80.5°, CH'D Ø.2526-.2512 TO Ø.2505-.2500 PER G.E. ADDED GD&T PER S.E.	4/13/2012	RJC	GE
6B		CORRECTED 12" TEXT TO 1/2"	11/25/2013	JAG	GE
7	14-0157	-1 DELETED DIMS 115°, 104°, 80.5°, 5.060, BASIC .875, BASIC .940. ADDED DIMS 2X BASIC 1.815, 2X 65°, 1.775. CH'D DIMS WAS BASIC 1.775 IS 2X BASIC 1.775, WAS 52° IS 2X 52°, WAS 40.25° IS 2X 40.25°, WAS .56 IS 3X .56, WAS .315 IS 2X .32, WAS BASIC 3.550 IS 3.55, WAS .500 IS (.50). ADDED DETAIL A.	9/25/2014	DPD	GE

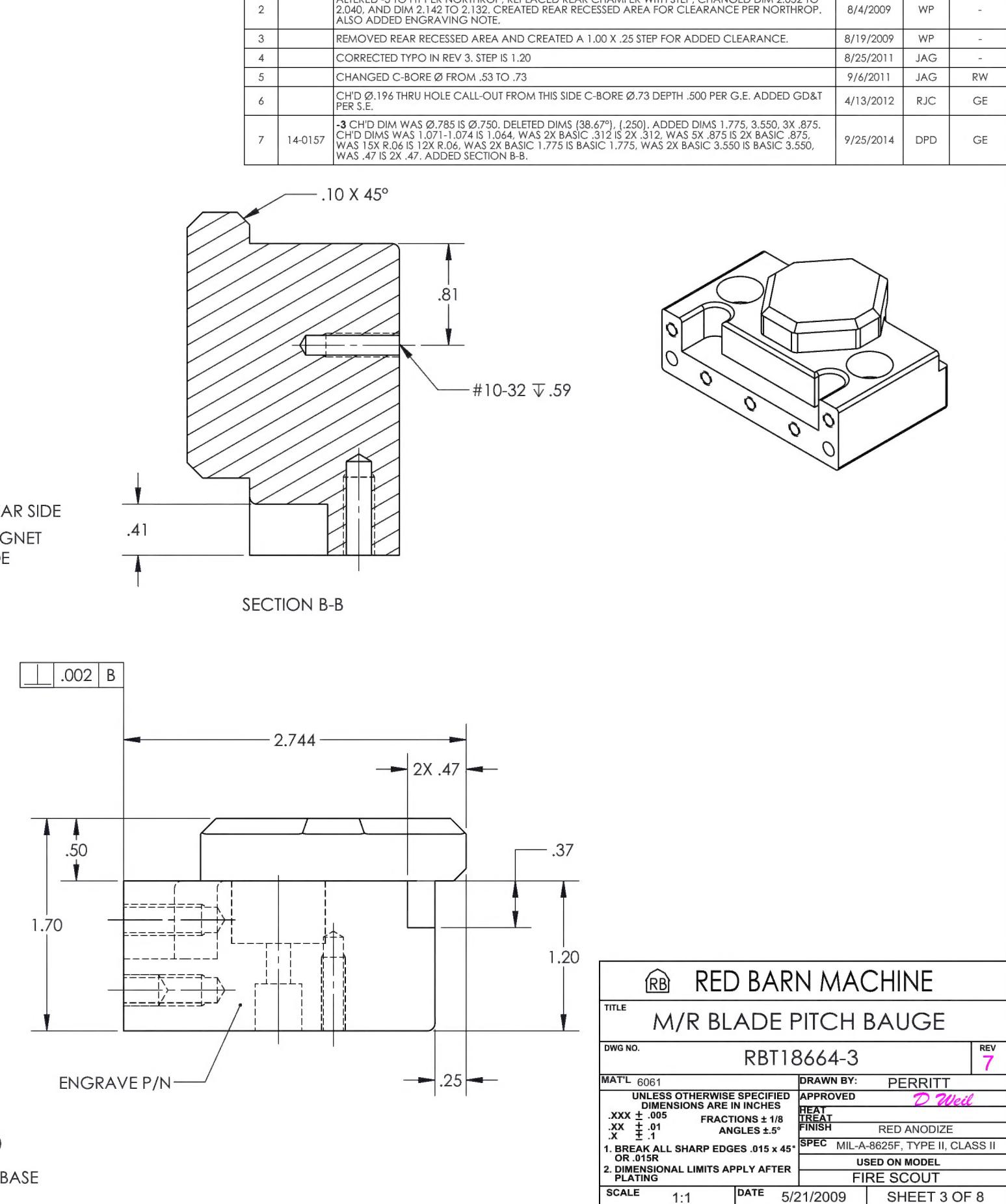
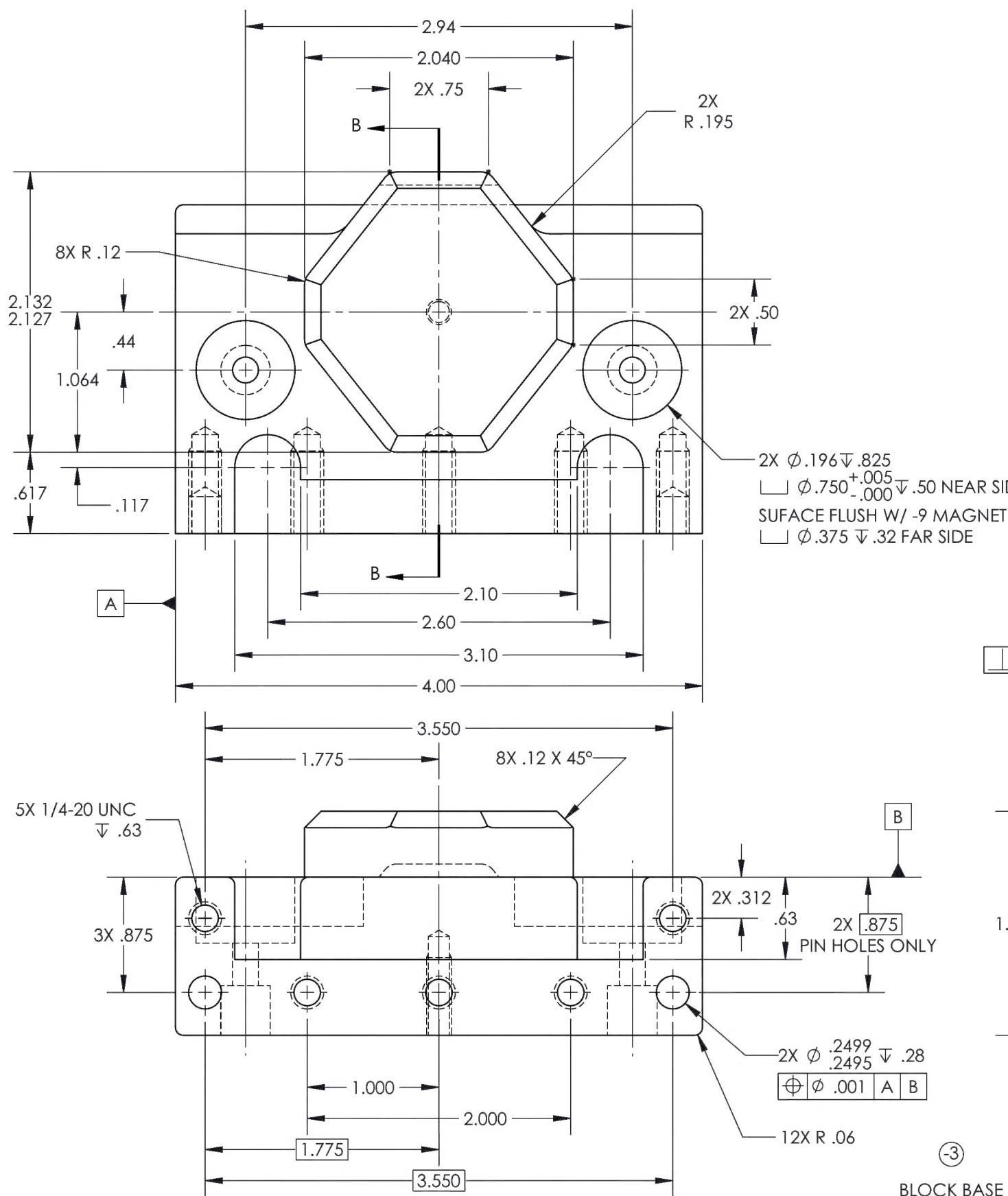
MACHINE ENGRAVE NUMBERS, ARIAL NARROW, .13 HEIGHT, V.02 WITH DEGREE MARK



NOTE:  
1 ENGRAVE P/N.

RB RED BARN MACHINE	
TITLE M/R BLADE PITCH GAUGE	
DWG NO. RBT18664-1 REV 7	
MATERIAL MIC 6 DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED APPROVED D. Weil	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
.0 ± .005	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC MIL-A-8625F, TYPE II, CLASS II	
USED ON MODEL	
FIRE SCOUT	
SCALE 1:2	DATE 5/21/2009
SHEET 2 OF 8	

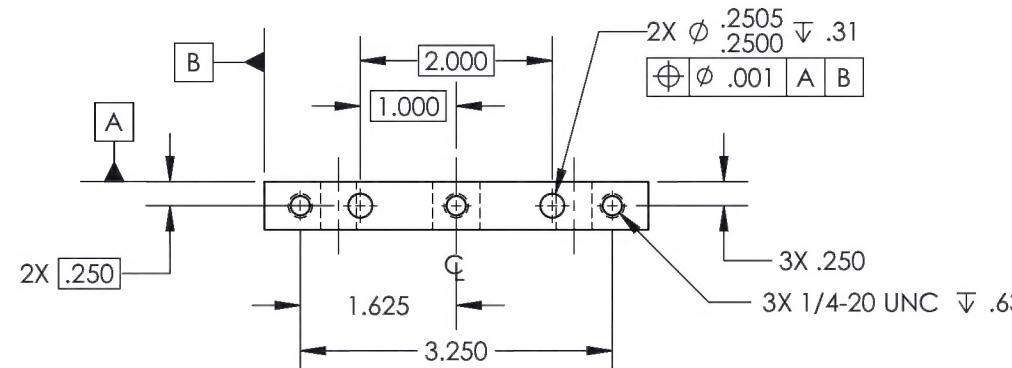
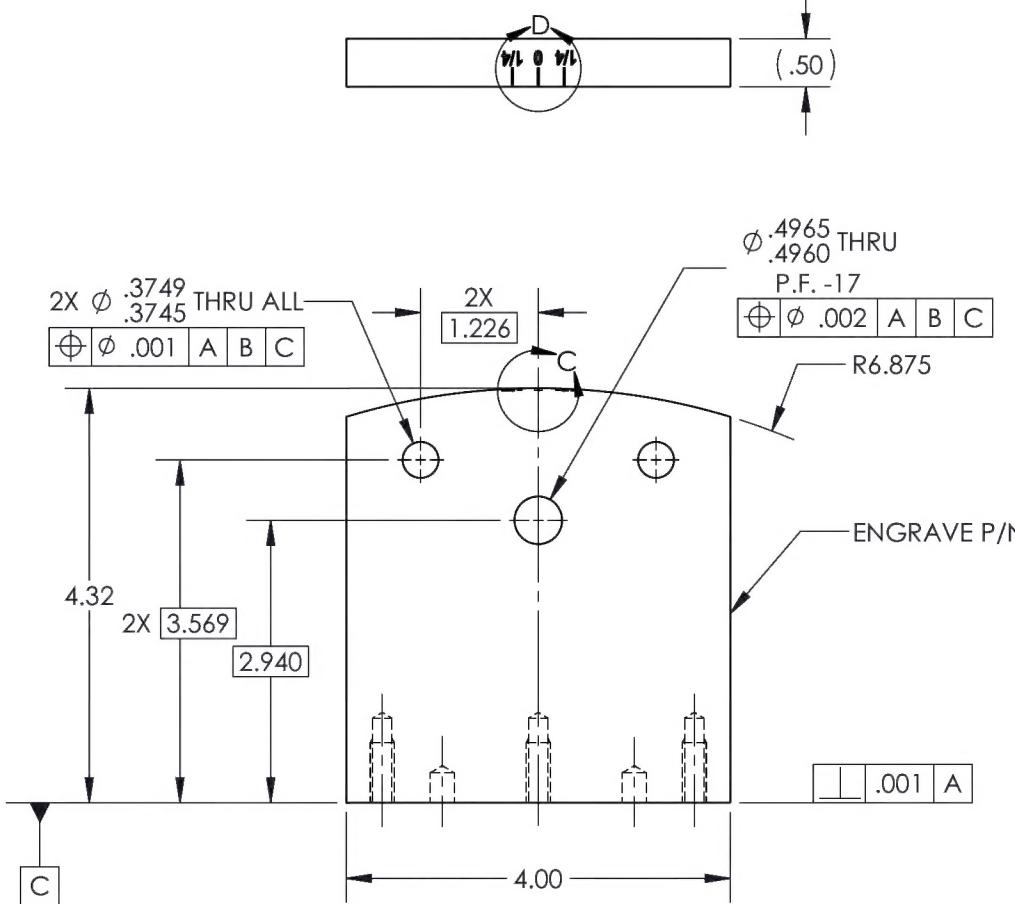
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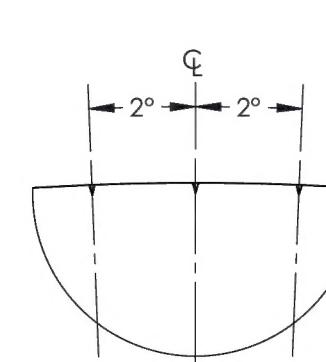
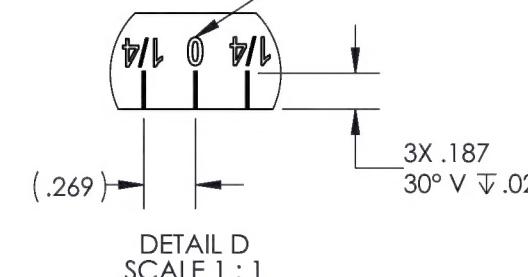
REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2		CORRECTED -5 THREADED HOLE DEPTH FROM .265 TO .625 (TYPO). ENLARGED EARS WAS R.313 NOW R.375 AND ADDED P.F. .0005MAX TOLERANCE TO STOP CRACKING. ALSO ADDED ENGRAVING NOTE.	8/4/2009	WP	-	
4		REMOVED EARS, MOVED HOLES FOR F.F. PINS INTO BODY	8/25/2011	JAG	-	
6		CH'D -5 Ø .499 HOLE TO Ø .4965-.4960 & .2512-.2526 TO Ø .2500-.2505 PER G.E. ADDED GD&T PER S.E.	4/13/2012	RJC	GE	
7	14-0157	-5 DELETED DIM 5.500. CH'D DIMS WAS .250 IS 3X .250, WAS BASIC .250 IS 2X BASIC .250, WAS .500 IS (.50). ADDED DETAILS C & D.	9/25/2014	DPD	GE	

HIDDEN LINES REMOVED  
FOR CLARITY

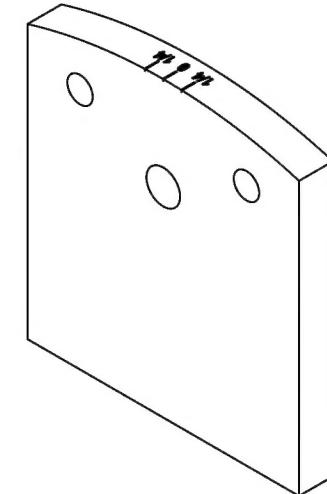


### SWIVEL PLATE

MACHINE ENGRAVE NUMBERS,  
ARIAL NARROW, .15 HT., ↴.02



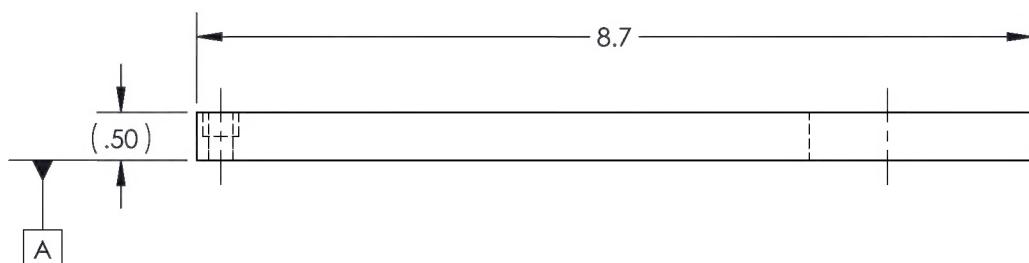
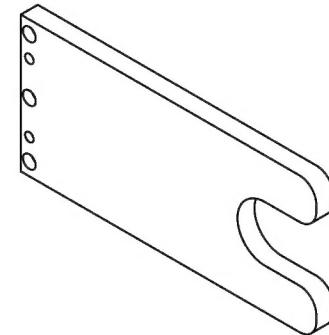
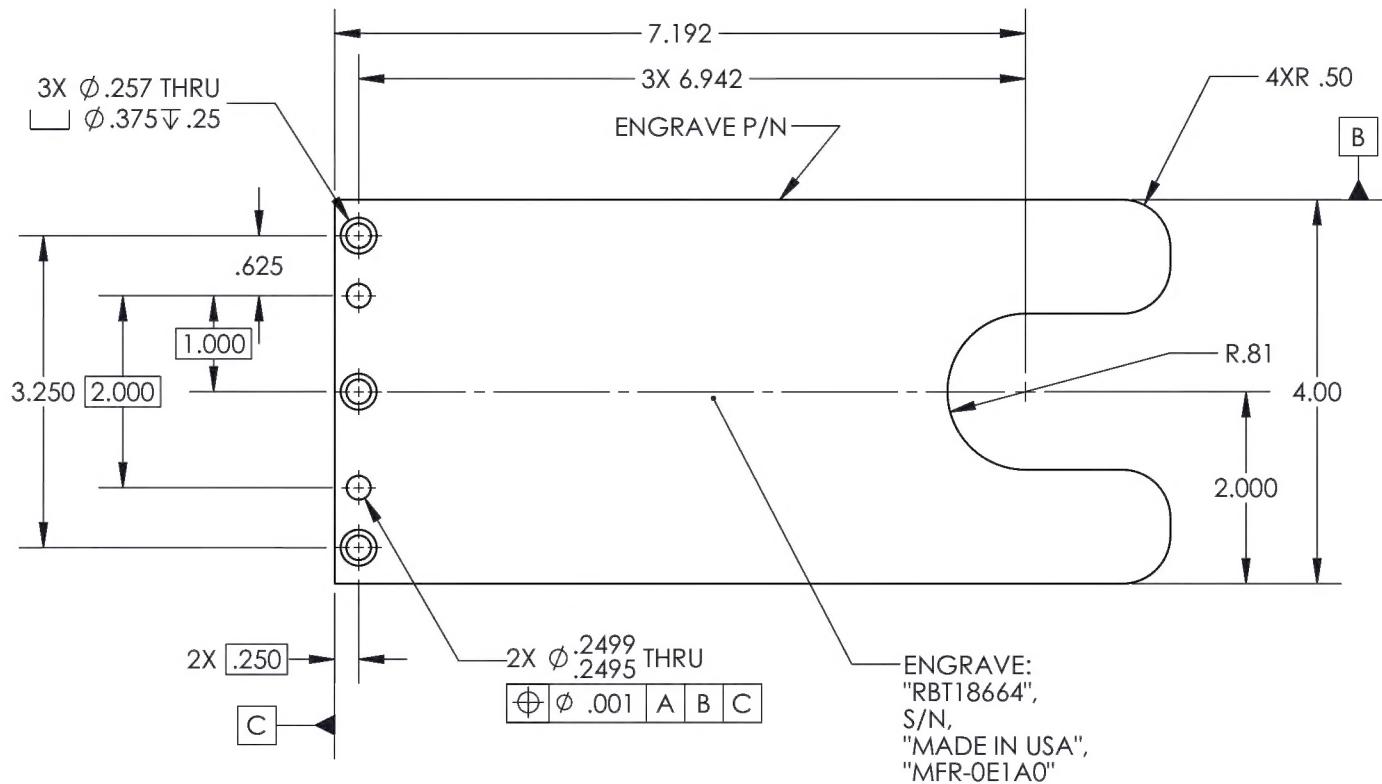
DETAIL C  
SCALE 2: 1



	RED BARN MACHINE		
TITLE			
M/R BLADE PITCH GAUGE			
DWG NO.		RBT18664-5	
MAT'L MIC 6		DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
.XXX ± .005		FRACTIONS ± 1/8	
.XX ± .01		ANGLES ± .5°	
.X ± .1			
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:2		DATE 5/21/2009	
		APPROVED HEAT TREAT FINISH	
		RED ANODIZE	
		SPEC MIL-A-8625F, TYPE II, CLA	
		USED ON MODEL	
		FIRE SCOUT	
D Well			

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		ADDED WASHER DWG. CENTER HOLE WAS 3/8; ALSO ADDED ENGRAVING NOTE.	8/4/2009	WP	-
4		REMOVED WASHER AND KNOB DWG.	8/25/2011	JAG	-
6		ADDED -7 GD&T PER S.E.	4/13/2012	RJC	SE
7		-7 DELETED DIM .250, CHD DIMS WAS 5X BASIC .250 IS 2X BASIC .250, WAS 6.942 IS 3X 6.942.	9/25/2014	DPD	GE



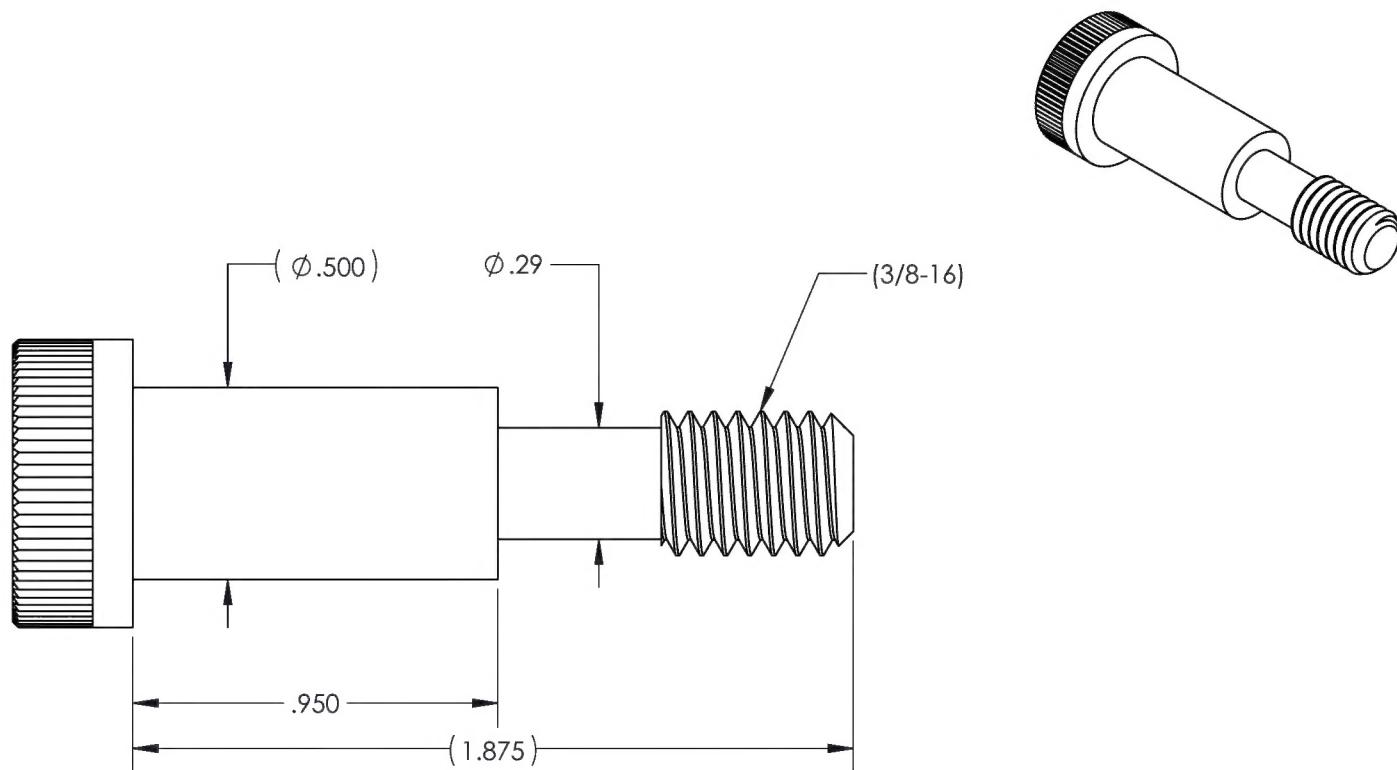
#### EXTENSION PLATE

-7

 RED BARN MACHINE	
TITLE	
M/R BLADE PITCH GAUGE	
DWG NO.	RBT18664-7
REV 7	
DRAWN BY: PERRITT	
APPROVED <i>D. Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005	FRACTIONS $\pm$ 1/8
.XX $\pm$ .01	ANGLES $\pm$ .5°
X $\pm$ .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC MIL-A-8625F, TYPE II, CLASS II	
USED ON MODEL	
FIRE SCOUT	
SCALE	1:2
DATE	5/21/2009
SHEET 5 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		ADDED BOLT DWG.	8/25/2011	JAG	-



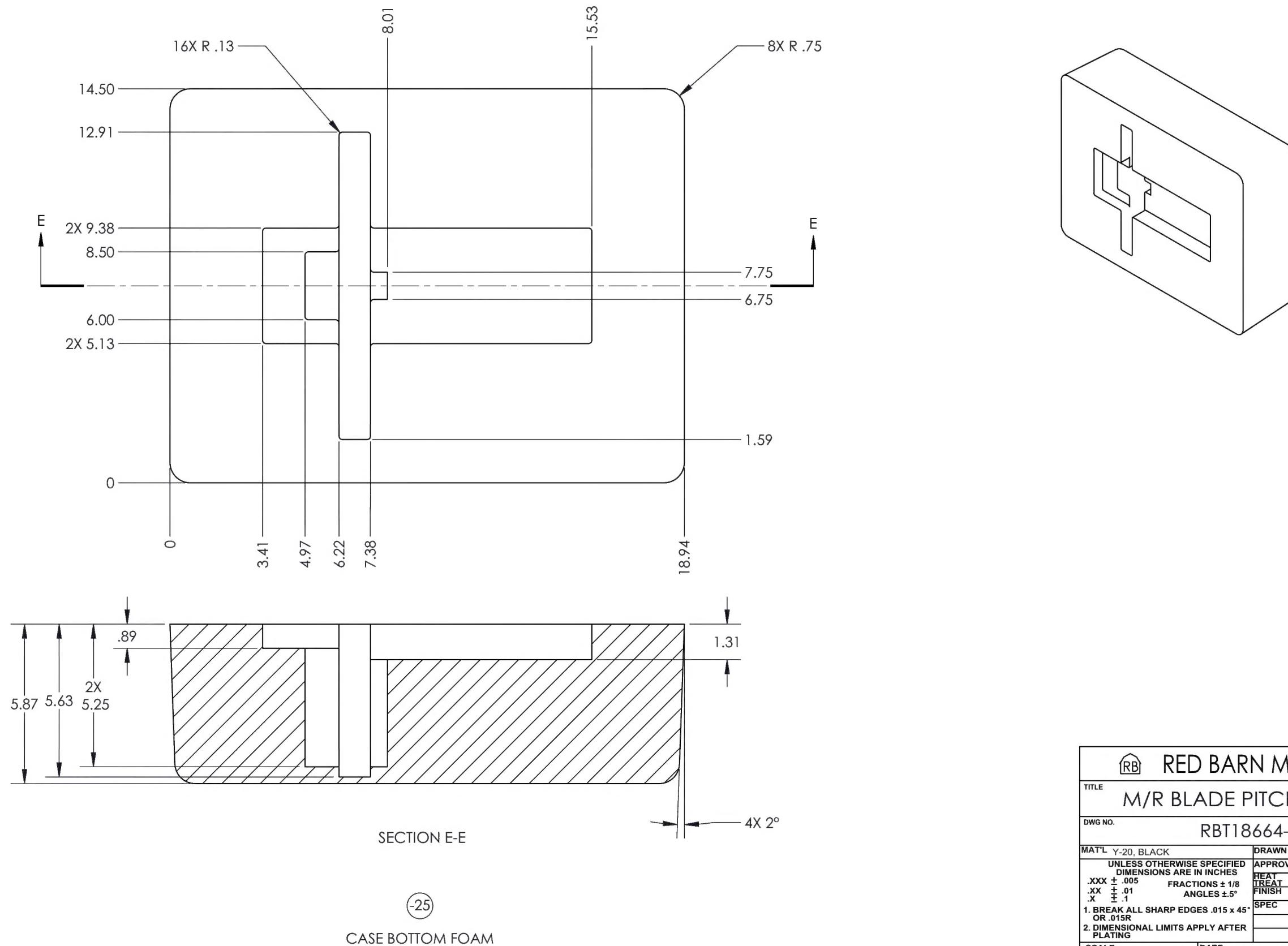
SOCKET HEAD SHOULDER BOLT

(-17)

RED BARN MACHINE	
M/R BLADE PITCH GAUGE	
DWG NO.	RBT18664-17
MAT'L	S.S.
DRAWN BY:	PERRITT
APPROVED	D Weil
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX $\pm$ .005	FRACTIONS $\pm$ 1/8
.XX $\pm$ .01	ANGLES $\pm$ 5°
.X $\pm$ .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
USED ON MODEL	
FIRE SCOUT	
SCALE	2:1
DATE	5/21/2009
SHEET	6 OF 8

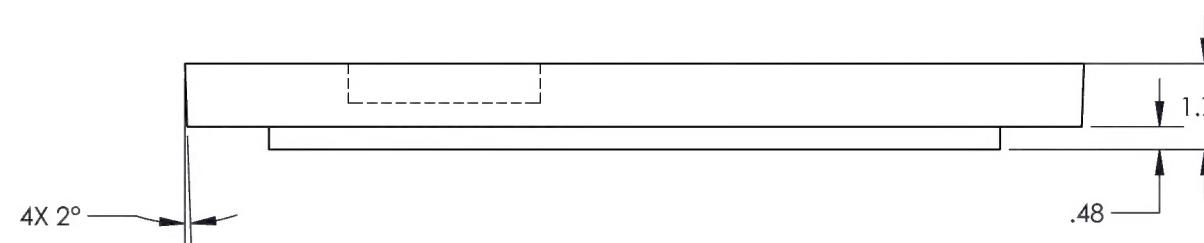
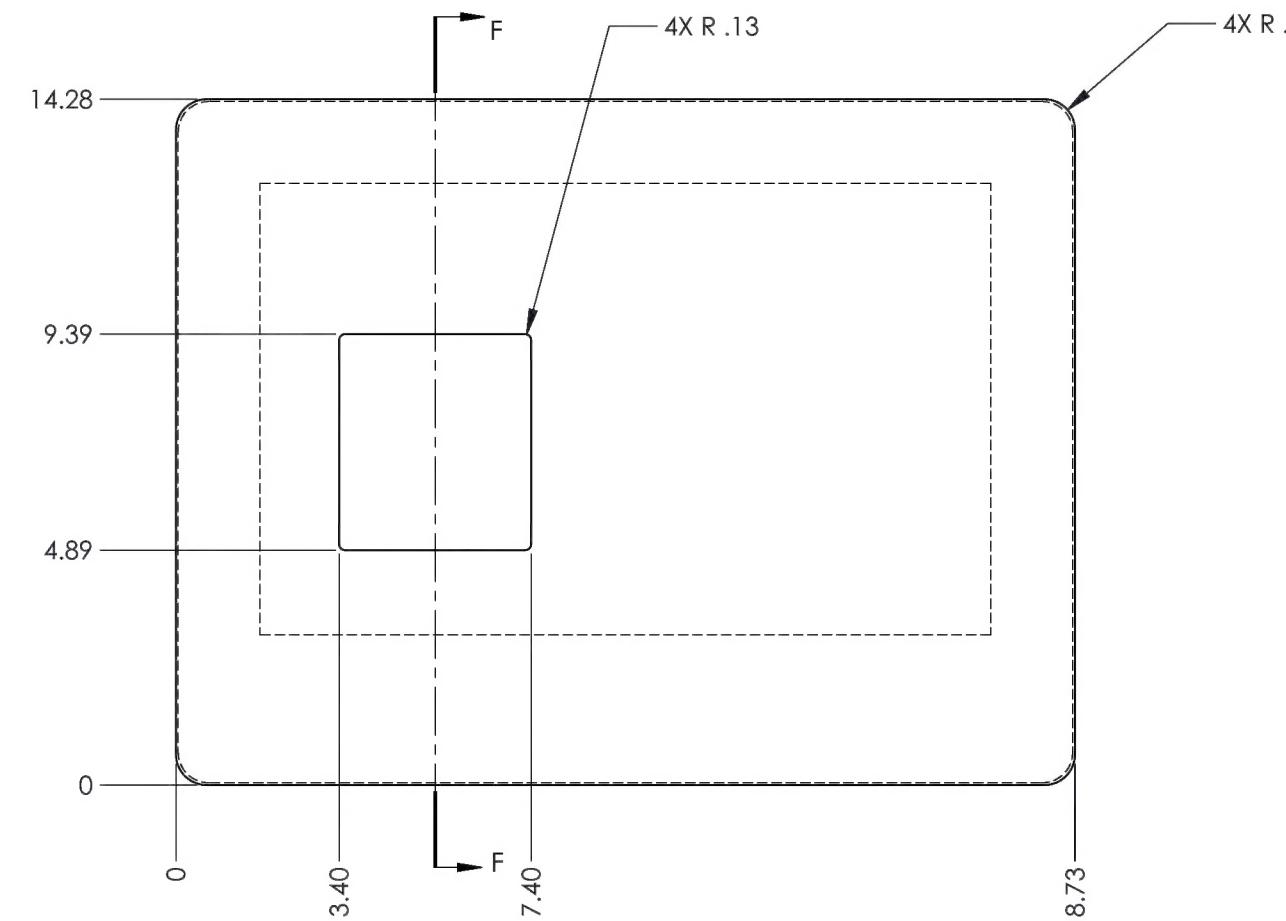
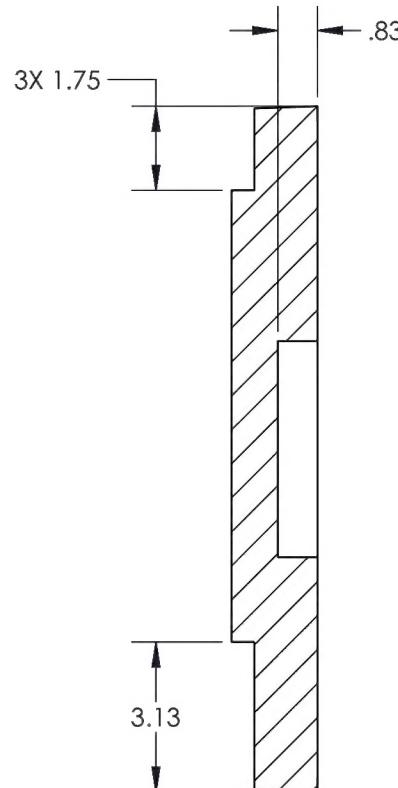
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED TO A SMALLER CASE, WAS PELICAN 1650, NOW PELICAN 1550. PER DAVE.	6/18/2009	WP	-
2		DELETED ORIGINAL PAGE 8, NOW ORIGINAL PAGE 9 IS PAGE 8. DELETED SCREW DRIVER CUT OUT. DELETED -17 SHOULDER BOLT MACHINING, NOW JUST A B/O.	8/4/2009	WP	-
4		UPDATED DIMENSIONS	8/25/2011	JAG	-
7	14-0157	-25 UPDATED DIMENSIONING STYLE. CH'D DIM WAS 6X R.75 IS 8X R.75.	9/26/2014	DPD	GE



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		ADDED THIS SHEET	8/25/2011	JAG	-
6		ADDED -43 CUTOUT IN LID FOR TOOL CLEARANCE & ON BOTTOM OF FOAM FOR PIN CLEARANCE.	4/13/2014	RJC	RW
7	14-0157	-43 CH'D MATL WAS EGGSHELL IS Y-20 BLACK. UPDATED DIMENSION STYLE.	9/26/2014	DPD	GE



CASE TOP FOAM

-43

RB RED BARN MACHINE	
TITLE	
M/R BLADE PITCH GAUGE	
DWG NO.	RBT18664-43
REV	7
MATL Y-20, BLACK	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED	APPROVED <i>D. Weil</i>
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/8
.XX ± .01	ANGLES ± .5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
USED ON MODEL	
SCALE 1:4	DATE 5/21/2009
	SHEET 8 OF 8